REMARKS

Favorable reconsideration of this application is respectfully requested.

Claims 3 and 4 are pending in this application. Claims 3 and 4 were rejected under 35 U.S.C. § 102(e) as anticipated by U.S. patent 6,587,457 B1 to <u>Mikkonen</u>. That rejection is traversed by the present response as discussed next.

Initially, applicants note independent claim 1 is amended by the present response to clarify certain language therein. The claim amendments are believed to be clear from the original disclosure, see for example Figure 5 and the discussion in the present specification thereto, and see also particularly page 15, line 10 et seq.

With reference to Figure 5 in the present specification as a non-limiting example, in the claimed method, for a communication packet from an upper layer 53, in an interface HCI between the upper layer 53 and a physical layer 52, one of multiple connection handles A-N identify a respective service class requested by the communication packet and are mapped to respective logical channels CID=1, CID=2, etc. With that operation in the claimed invention, multiple connection handles are specified in accordance with different service requests. A connection handle may be an identifier to identify a connection service. In the example shown in Figure 5 two logical channels CID=1 and CID=2 are set in the upper layer 53 and connection handles A and B corresponding thereto are mapped.

Moreover, in the claims a buffer is specified corresponding to each of the connection handles A, B.

With the claimed structure the logical channels can be mapped to the connection handles so that channels requesting a same service quality can be mapped to the same connection handle. Further, different buffers can be allocated to the different connection handles.

The features recited in the claims as currently written are believed to distinguish over the applied art to <u>Mikkonen</u>.

Applicants submit the outstanding rejection is not fully considering all the claimed features relative to the disclosure in <u>Mikkonen</u>.

More particularly, as recited in independent claim 3 a respective logical channel is mapped to a respective connection handle, which in turn is corresponded to a specific buffer. With reference to Figure 5 in the present specification as a non-limiting example, the logical channel CID=1 is mapped to the connection handle A, and the logical channel CID=2 is mapped to the connection handle B, and the connection handles A and B are corresponded to respective buffers 54a, 54n. Another example of such correspondence is shown for example in Figure 9 in the present specification.

The outstanding rejection appears to cite <u>Mikkonen</u> to disclose a correspondence between a logical channel and a connection handle to be implemented by a flow label 24, and the use of plural buffers as part of an access point 4, as noted at page 13, lines 1-10.

However, applicants submit <u>Mikkonen</u> is deficient with respect to the claims as written in that <u>Mikkonen</u> does not disclose or suggest that the flow handle 24 is utilized to map a logical channel to a respective connection handle, which in turn corresponds to a respective buffer.

<u>Mikkonen</u> also does not disclose the buffers of the access point 4 are corresponded to respective logical channels, which are mapped to a respective connection handle. Stated another way, <u>Mikkonen</u> does not disclose that any of the noted plural buffers of access point 4 are corresponded by the flow label 24.

In such ways, applicants respectfully submit that <u>Mikkonen</u> does not correspond to the claims as written.

One basis for maintaining the outstanding rejection in the outstanding Office Action

states:

> ... Mikkonen discloses the transmitting and receiving terminal
> equipment of the cited disclosure as "hosts". Therefore, the
> managing (or "control") of communications, including the use
> of flow labels for mapping application layer connections to
> corresponding physical layer connection, meets the newly
> added limitation of specifying in a host controller interface ...
> [1]
> .

In reply to that grounds for maintaining the outstanding rejection applicants reiterate

Mikkonen does not disclose or suggest that the flow label 24 is utilized to map a respective

logical channel to a respective connection handle, and further that flow label 24 has no

relation to the different queues of the access point 4.

Another basis for maintaining the rejection appears to be directed to positions that the

previously submitted claim amendments to "each logical channel is corresponded to a

respective connection handle" did not further limit claim 3.[2]

In reply to that grounds for rejection applicants submit the claims were clarified and

are even further clarified herein to indicate a host controller interface provides a mapping

between a respective logical channel and a respective connection handle. Applicants submit

such features further limit the claims, and particularly further distinguish the claims over the

applied art as the noted flow label 24 in Mikkonen is not disclosed as utilized to provide a

mapping between a respective logical channel and a respective connection handle.

One further basis for maintaining the rejection again cites Mikkonen at column 13,

lines 1-10 to illustrate a separate queue for different applications. However, applicants again

note that disclosure in Mikkonen is not directed to the claimed features in which a buffer is

corresponded to a respective connection handle, which is mapped to a respective logical

channel. Mikkonen merely discloses different Internet applications can be arranged by

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[1] Office Action of December 7, 2007, bottom of page 4.
[2] Office Action of December 7, 2007, top of page 5.
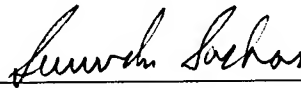
utilizing separate queues. <u>Mikkonen</u> does not disclose or suggest that such Internet

applications have any relevance whatsoever to the noted flow label 24, which again was cited

in the Office Action to apparently map a respective logical channel to a respective connection

handle. In that respect the outstanding rejection is not fully considering all the claimed

features and is improperly interpreting the disclosure in <u>Mikkonen</u> at column 13, lines 1-10.

In view of the foregoing comments, applicants respectfully submit independent claim

3 as currently written, and claim 4 dependent therefrom, positively recite features neither

taught nor suggested by <u>Mikkonen</u>, and thus are allowable over <u>Mikkonen</u>.

As no other issues are pending in this application, it is respectfully submitted that the

present application is now in condition for allowance, and it is hereby respectfully requested

that this case be passed to issue.

Respectfully submitted,

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